FlyBy Math™ Alignment
Alabama Course of Study: Mathematics
Adopted 2003

Algebra

Students will:	***FlyBy Math*™ Activities**
4. Express a pattern shown in a table, graph, or chart as an algebraic equation. • Recognizing the relationships between numerical patterns in tables and their respective graphs in the coordinate plane • Determining if a constant rate of change exists in a pattern	--Represent distance, speed, and time relationships for constant speed cases using tables, bar graphs, line graphs, equations, and a Cartesian coordinate system. --Use graphs to compare airspace scenarios for both the same and different starting conditions and the same and different constant (fixed) rates. --Interpret the slope of a line in the context of a distance-rate-time problem.

Measurement

Students will:	***FlyBy Math*™ Activities**
11. Solve problems involving ratios or rates, using proportional reasoning. • Determining the unit rate • Converting rates from one unit to another	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. --Calculate and measure the position and time of simulated aircraft. Represent that motion using tables, graphs, equations, and experimentation.